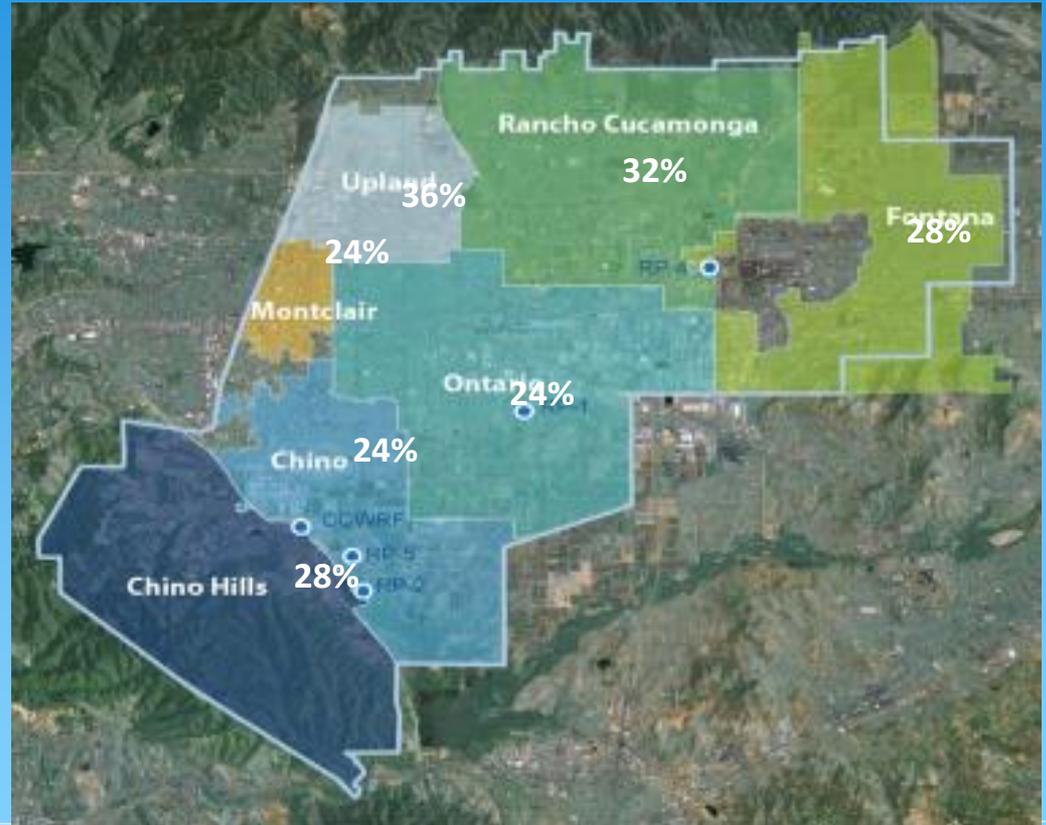


# IEUA Member Agency State Drought Targets

- **Collective % Goal = 28%**
- **Collective % Saved = 29.5%**
- **Regulations are expected to continue through 2016 in some form**
- **Long-term regulations will emerge**



# IEUA Emergency Drought Order Response

## Develop an Efficiency “Identification” Tool for Member Agencies

### Baseline Home

•12 CCF/Month, 75 gpcd

**City Target: 115 gpcd**

### Comparison Homes:

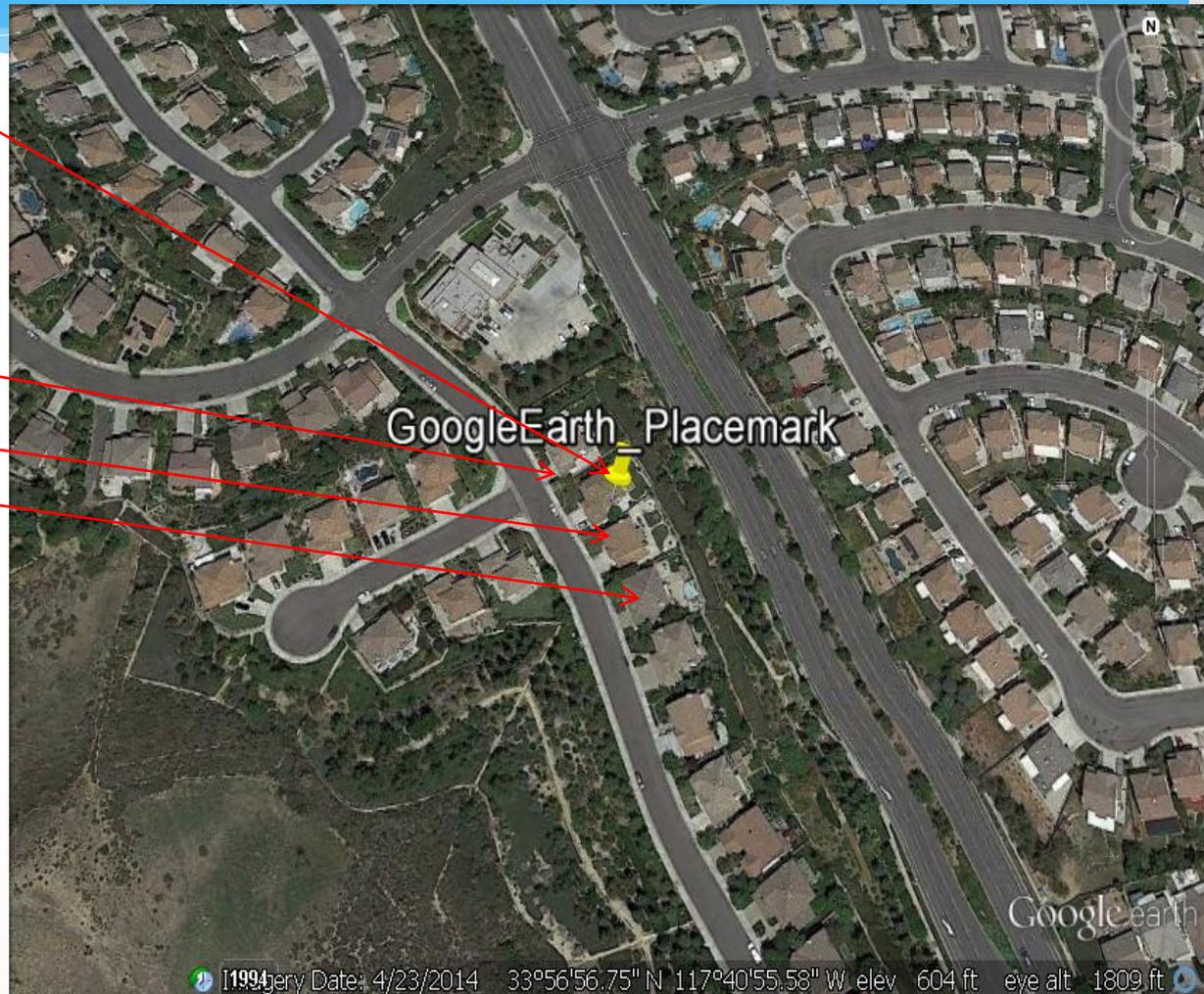
•25 CCF's/155 gpcd

•39 CCF's/243 gpcd

•25 CCF's/155 gpcd

- 28% reduction from 243 gpcd = 175 gpcd, or 35% over City target, and 67% higher than the Baseline home on the street

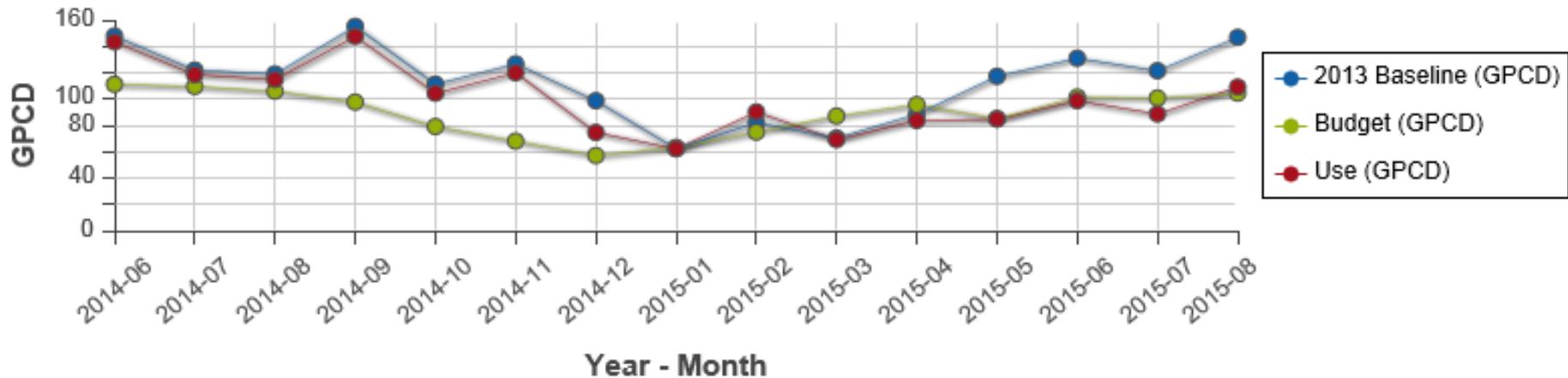
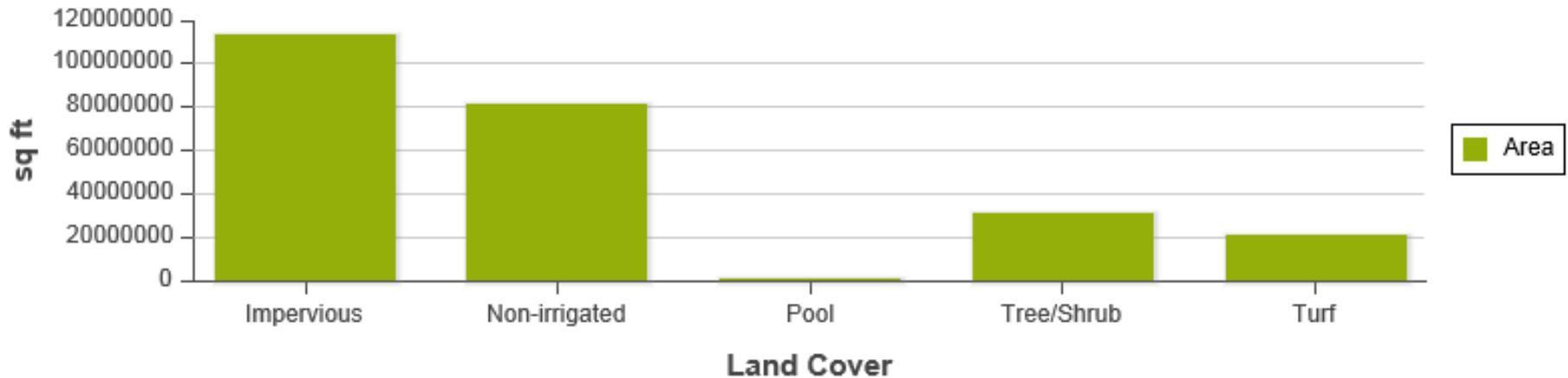
- 28% reduction from 155 gpcd = 112 gpcd, or 3% below the City target, yet 33% higher than the Baseline home



# Contracted for Technology-based Conservation

**(# Residents) (55 gpcd) + (ET) (LA/SF) (.8) = Efficiency Standard**

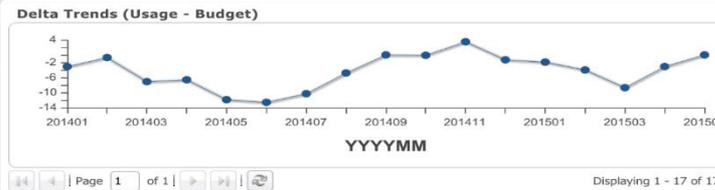
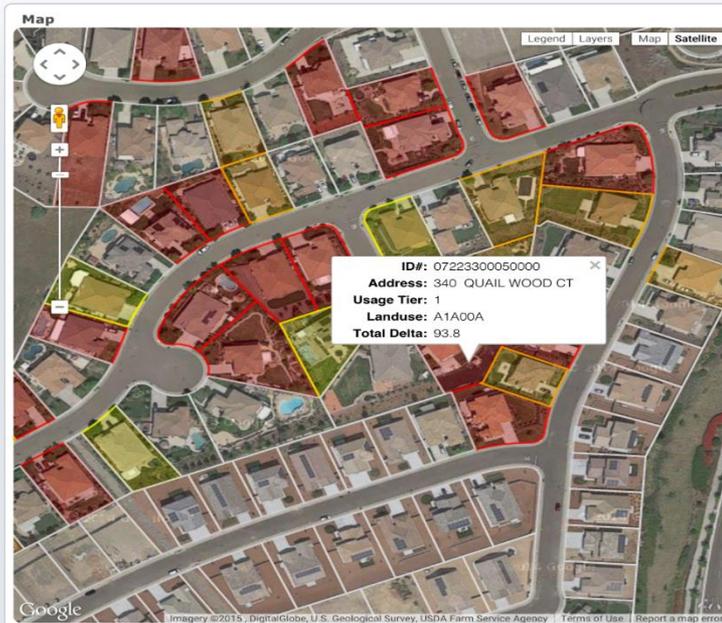
Produce a Picture/List for Member Agency Program Targeting



# 1-Agency "Rolled-up" Data



Water Use by Parcel



### Parcel Information

ID#	Address	Usage Tier
072233000500...	340 QUAIL W...	1
071019008400...	715 RILEY ST ...	4
072233001100...	350 BARN OW...	1
072233001400...	2085 OWL ME...	3
071019008500...	125 E BIDWEL...	1
072233002500...	2088 OWL ME...	1
072264005000...	2156 RITCHIE ...	3

### Water Meter Readings

Month	Year	Value (CCF)
May	2015	0
April	2015	13
March	2015	5
February	2015	6
January	2015	7
December	2014	7
November	2014	13

### Delta Trends (Usage - Bud...)

Year	Month	Value
2014	January	-3.1
2014	February	-0.7
2014	March	-7.1
2014	April	-6.6
2014	May	-11.9
2014	June	-12.6
2014	July	-10.3

### Water Budget

Month	Year	Value (CCF)
May	2015	18.1
April	2015	16.1
March	2015	13.7
February	2015	10
January	2015	8.9
December	2014	8.3
November	2014	9.5

# IEUA Letter to SWRCB

## Amend Emergency Regulation and Consider State Efficiency Standards as a Longer-term metric and/or reporting

### **Recommendation (2):**

*“Consider establishment of a water efficiency performance reporting methodology based on achievement of the State’s existing water efficiency standards.”*

- ***RGPCD metric was necessary and data was available***
- ***Widespread concern that climate, growth, past conservation are not recognized in the metric***
- ***The metric was “comparative and not a measure of efficiency...”***

*“...specifically the water efficiency standards that the State has already adopted through SBX7-7 (55 GPCD indoor water use) and AB 1881, the Model Water Efficient Landscape Ordinance (80 % of ET for existing landscapes).”*

***Example: Report the % of accounts that meet the standard monthly***

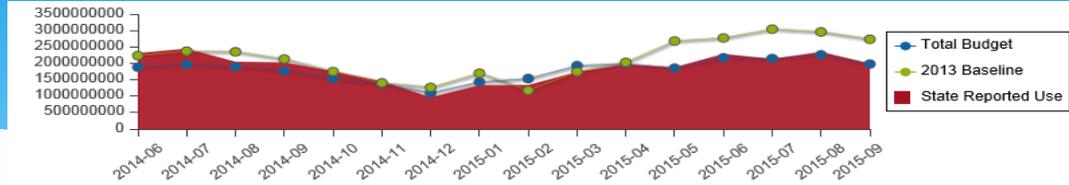
# Why the IEUA Recommendation?

(# Residents) (55 gpcd) + (ET) (LA/SF) (.8) = Efficiency Standard

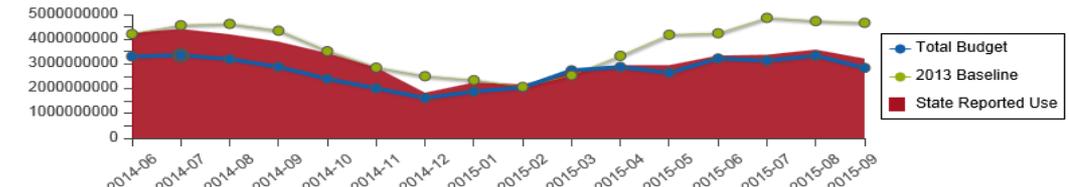
- **Equity** across any and all agencies state-wide
  - ✓ Climate is automatically recognized
  - ✓ Growth is automatically recognized
- **Simplicity**
  - ✓ Settles on 1 existing, vetted efficiency standard
  - ✓ Changes equitably for all agencies
- **Clarity**
  - ✓ The indoor efficiency standard is part of 20x2020 legislation
  - ✓ The outdoor standard is a statewide ordinance for cities and counties
  - ✓ Agencies can use this demand forecast for rate making to achieve more accurate revenue stability
- **Flexibility**
  - ✓ Efficiency standard changes with monthly weather, rainfall, climate change
  - ✓ Efficiency standard may change through State legislation

# SAWPA Region Examples (74 Agencies):

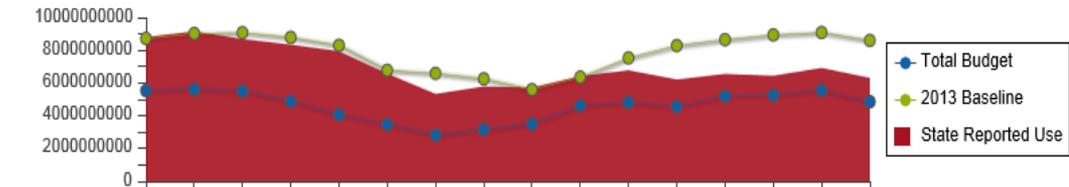
**Eastern**



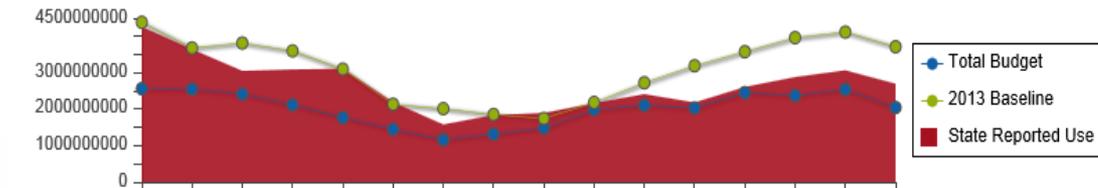
**Western**



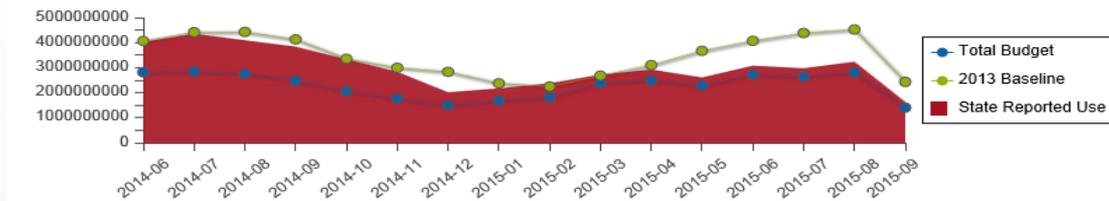
**OCWD**



**SBVWD**



**IEUA**



Year - Month

# IEUA Findings

- Existing Efficiency Standards are achievable, flexible and recognize local agency conditions and individual customer characteristics
- The move to Efficiency Standards can be more effective to identify where over-water use resides
- IEUA does not advocate that this recommendation should be a-fixed to a 50% landscape water use reduction by 2035, as the impact will be different for each agency and each end-user, depending upon their specific level of current or past use